

|                   |               |  |                                      |
|-------------------|---------------|--|--------------------------------------|
| <b>Play:</b>      | 2812          | <i>Northern Great Plains Biogenic Gas, Low Potential</i> |                                      |
| <b>Province:</b>  | 28            | North-Central Montana                                    | <b>Play Type</b> continuous-type gas |
| <b>Geologist:</b> | Spencer, C.W. |  | <b>Status:</b> hypothetical          |

**Play Probability:** 1.00

|               |                   |           |            |
|---------------|-------------------|-----------|------------|
| <b>Cells:</b> | <b>Cell Size:</b> | 160 acres | 0.25 sq mi |
|---------------|-------------------|-----------|------------|

|                      |              |               |
|----------------------|--------------|---------------|
| <b>Area of Play:</b> | 55,000 sq mi | 220,000 cells |
|----------------------|--------------|---------------|

|                          |    |                                    |   |
|--------------------------|----|------------------------------------|---|
| <b>Productive Cells:</b> | 25 | <b>Tested Nonproductive Cells:</b> | 0 |
|--------------------------|----|------------------------------------|---|

|                        |                |               |                |             |                     |
|------------------------|----------------|---------------|----------------|-------------|---------------------|
| <b>Untested Cells:</b> | <u>minimum</u> | <u>median</u> | <u>maximum</u> | <u>mean</u> | <u>distribution</u> |
|                        | 10,000         | 80,000        | 400,000        | 119,832     | bell-shaped         |

**Success Ratio for Untested Cell** 0.50

**EUR Distribution for Untested Cells (MMCF):**

|             |            |            |            |            |           |           |             |
|-------------|------------|------------|------------|------------|-----------|-----------|-------------|
| <u>F100</u> | <u>F95</u> | <u>F75</u> | <u>F50</u> | <u>F25</u> | <u>F5</u> | <u>F0</u> | <u>mean</u> |
| >0          | 6          | 80         | 180        | 300        | 500       | 2,500     | 256         |

|                   |               |  |                                      |
|-------------------|---------------|--|--------------------------------------|
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|                       |            |                     |
|-----------------------|------------|---------------------|
| <b>NGL/Gas Ratio:</b> | 0 bbl/MMCF | <b>API Gravity:</b> |
|-----------------------|------------|---------------------|

|                    |                |               |                |             |
|--------------------|----------------|---------------|----------------|-------------|
| <b>Depth (ft):</b> | <u>minimum</u> | <u>median</u> | <u>maximum</u> | <u>mean</u> |
|                    | 500            | 2,000         | 4,500          | 2,100       |

**Fraction of Untested Cells to Be Tested by Wells Primarily Targeted for:**

|                        |                         |                            |
|------------------------|-------------------------|----------------------------|
| <u>the play itself</u> | <u>a deeper horizon</u> | <u>a shallower horizon</u> |
| 0.70                   | 0.30                    | 0.00                       |

**Fraction of Play with "Tight" FERC Designation:** 0.00

**Fraction of Wells Likely to Be Stimulated:** 0.90

**Potential Reserve Additions:**

**NGL (MMBNGL)**

|            |            |            |            |           |             |             |
|------------|------------|------------|------------|-----------|-------------|-------------|
| <u>F95</u> | <u>F75</u> | <u>F50</u> | <u>F25</u> | <u>F5</u> | <u>mean</u> | <u>s.d.</u> |
| 0.00       | 0.00       | 0.00       | 0.00       | 0.00      | 0.00        | 0.00        |

**Gas (BCFG)**

|            |            |            |            |           |             |             |
|------------|------------|------------|------------|-----------|-------------|-------------|
| <u>F95</u> | <u>F75</u> | <u>F50</u> | <u>F25</u> | <u>F5</u> | <u>mean</u> | <u>s.d.</u> |
| 4,242.65   | 7,991.71   | 12,409.90  | 19,270.60  | 36,299.30 | 15,353.60   | 11,184.70   |